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Amend B

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1638
Examiner : A. R. Kubelik
Serial No. : 09/807,720
Filed : April 18, 2001
Inventor : Henry Daniell
Title : EXPRESSION OF AN
: ANTIMICROBIAL PEPTIDE
: VIA THE PLASTID
: GENOME TO CONTROL
: PHYTOPATHOGENIC BACTERIA



22469

PATENT TRADEMARK OFFICE

Confirmation No.: 4039
Docket: 1462-PCT-US-00
Dated: January 6, 2003

AMENDMENT

Commissioner for Patents
Washington, DC 20231

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TECH CENTER 1600/2900

Sir:

In response to the Official Action dated July 5, 2002, Applicant respectfully requests the following amendment and submits remarks for the Examiner's consideration.

Applicant amends as follows:

IN THE SPECIFICATION

Version with Markings Showing Changes Made to the Specification

On page 6, please replace the third full paragraph with the following:

Figure 1. (A) Chloroplast vector used for transformation of *Nicotiana tabacum* var. Petit Havana. Vector contains the *aadA* selectable marker gene that confers resistance to spectinomycin, the *Prn* promoter, and the *TpsbA* terminator. (B) Amino acid sequence of the lytic peptide MSI-99 (SEQ ID NO: 3).

On page 6, please replace the fifth full paragraph with the following:

Figure 3. (A) Primers, 8P (SEQ ID NO: 2) and 8M (SEQ ID NO: 1) used to confirm integration of foreign genes via PCR. 8P anneals with the 5'end of the *aadA* gene and 8M anneals with the 3'end of the 16S rDNA gene. PCR analysis of DNA extracted from T₀ (B), T₁ (C) and T₂ (D) plants run on a 0.8% agarose gel. T₀ (B) Lane 1 1kb ladder, 2 through 5 transgenic lines, 6 MSI-99 plasmid. T₁ (C) Lane 1, 1kb ladder, 2 through 4 transgenic, lane 5 plasmid control and lane 6 untransformed plant DNA. T₂ (C) lane 1, 1kb ladder, 2 through 5 transgenic, lane 6 plasmid control and lane 7 untransformed plant DNA.